

ABSTRACT:

A device (1) for processing a signal (S) has firstly an antenna configuration (5) that is arranged to transmit a signal (S), that has at least one antenna-configuration terminal (6, 7) intended for connecting the antenna configuration (5) to a circuit (2), and that has an antenna-configuration impedance (Z_A) at the antenna-configuration terminal (6, 7),
5 and the circuit (2) further has at least one circuit terminal (3, 4) at which the circuit (2) has a circuit impedance (Z_S) and at which the circuit (2) is connected to the antenna-configuration terminal (6, 7) for the purpose of power transmission between the antenna configuration (5) and the circuit (2) by using the signal (S), at least one of the two impedances (Z_A , Z_S) having, in respect of its reactance (Y_A , Y_S), a difference in reactance value (ΔY) from a
10 nominal reactance value (Y_{NOM}) that is adapted for the transmission of power between the antenna configuration (5) and the circuit (2), and one of the two impedances (Z_A , Z_S) having a resistance (X_A , X_S) whose value (X) is greater than a nominal resistance value (X_{NOM}) that is adapted for the transmission of power between the antenna configuration (5) and the circuit (2) and is smaller than a maximum resistance value (X_{MAX}) that is a function of the
15 difference in the reactance value (ΔY).

Fig. 1.